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JP62070401A2: PRODUCTION OF CARBOXYALKYLCHITOSAN GRANULE

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Country: **JP Japan**

Kind:

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IPC Class: **C08B 37/08; B01J 20/26; B01D 15/00; B01J 39/22; C07K 3/18; C12N 11/10;**

Abstract:

Purpose: To obtain carboxyalkylchitosan granules having a desired particle diameter, by first molding low-MW chitosan as a starting material into granules of any desired particle diameter and subjecting them to a series of chemical treatments while retaining their shapes.

Constitution: Low-MW chitosan is dissolved in an aqueous acid solution, and this solution is dropped into a basic solution to form chitosan granules. The obtained chitosan granules are converted into regenerated chitin granules by N-acetylation and the obtained granules are treated with a crosslinking agent and the carboxylated, or alternately the above chitosan granules are first treated with a crosslinking agent and the converted into regenerated crosslinked chitin granules by N-acetylation, and these granules are carboxyalkylated. In this way, carboxyalkylchitin granules are formed. The obtained carboxyalkylchitin granules are deacetylated.

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Other Abstract Info: none

Foreign References: (No patents reference this one)



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